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#5/2760Ch.

PTO/SB/21 (08-00)

Approved for use through 10/31/2002. OMB 0651-0031

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## TRANSMITTAL FORM

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Total Number of Pages in This Submission

8

Application Number

10/047,724

Filing Date

January 15, 2002

First Named Inventor

Dr. Vince Hilser

Group Art Unit

N/A

Examiner Name

Not Yet Assigned

TECH CENTER 1600/2000

Attorney Docket Number

HO-P02070US1

### ENCLOSURES (check all that apply)

- Fee Transmittal Form
- Fee Attached
- Amendment/Reply
- After Final
- Affidavits/declaration(s)
- Extension of Time Request
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- Information Disclosure Statement
- Certified Copy of Priority Document(s)
- Response to Missing Parts/Incomplete Application
- Response to Missing Parts under 37 CFR 1.52 or 1.53

- Assignment Papers (for an Application)
- Drawing(s)
- Licensing-related Papers
- Petition
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Postcard  
IDS by Applicant  
Copies of 36 references

Remarks

### SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT

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FULBRIGHT & JAWORSKI L.L.P.  
Melissa W. Acosta

Signature

Date

October 17, 2002

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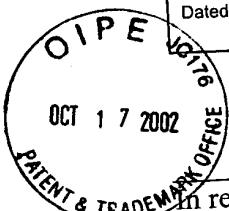
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Docket No.: HO-P02070US1  
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Signature: *Ronnie Webb*  
(Ronnie Webb)



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of:  
Dr. Vince Hilser, et al.

Application No.: 10/047,724

Filed: January 15, 2002

For: THERMODYNAMIC PROPENSITIES OF  
AMINO ACIDS IN THE NATIVE STATE  
ENSEMBLE: IMPLICATIONS FOR FOLD  
RECOGNITION

Group Art Unit: N/A

Examiner: Not Yet Assigned

#5/R.T  
6/11  
I.D.S

INFORMATION DISCLOSURE STATEMENT (IDS)

Commissioner for Patents  
Washington, DC 20231

Dear Sir:

Pursuant to 37 CFR 1.56, the attention of the Patent and Trademark Office is hereby directed to the references listed on the attached PTO/SB/08. It is respectfully requested that the information be expressly considered during the prosecution of this application, and that the references be made of record therein and appear among the "References Cited" on any patent to issue therefrom.

This Information Disclosure Statement is filed before the mailing date of a first Office Action on the merits as far as is known to the undersigned.

A copy of each reference on PTO/SB/08 is attached.

While the information and references disclosed in this Information Disclosure Statement may be "material" pursuant to 37 CFR 1.56, it is not intended to constitute an admission that any patent, publication or other information referred to therein is "prior art" for this invention unless specifically designated as such.

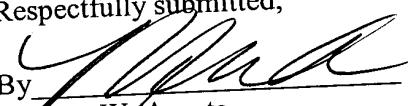
In accordance with 37 CFR 1.97(g), the filing of this Information Disclosure Statement shall not be construed to mean that a search has been made or that no other material information as defined in 37 CFR 1.56(a) exists. It is submitted that the Information Disclosure Statement is in compliance with 37 CFR 1.98 and the Examiner is respectfully requested to consider the listed references.

The Commissioner is hereby authorized to charge any deficiency in the fees filed, asserted to be filed or which should have been filed herewith (or with any paper hereafter filed in this application by this firm) to our Deposit Account No. 06-2375, under Order No. HO-P02070US1.

Dated: October 17, 2002

Respectfully submitted,

By

  
Melissa W. Acosta

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#5

PTO/SB/08A (10-01)

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Substitute for form 1449A/PTO

INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT

(use as many sheets as necessary)

Sheet

1

of

4

Complete if Known

Application Number	10/047,724	RECEIVED
Filing Date	January 15, 2002	OCT 21 2002
First Named Inventor	Dr. Vince Hilser	
Art Unit	N/A	
Examiner Name	Not Yet Assigned	TECH CENTER 1600/290
Attorney Docket Number	HO-P02070US1	

## U. S. PATENT DOCUMENTS

Examiner Initials*	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
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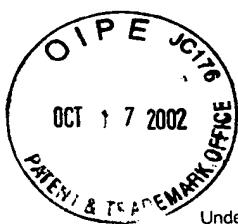
## FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>
		Country Code <sup>3</sup> -Number <sup>4</sup> -Kind Code <sup>5</sup> (if known)				

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				Application Number	10/047,724
				Filing Date	January 15, 2002
				First Named Inventor	Dr. Vince Hilser
				Group Art Unit	N/A
				Examiner Name	Not Yet Assigned
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OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS		
Examiner Initials	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc), date, page(s), volume-issue number(s), publisher, city and/or country where published.
	CA	Hilser, Vincent J., et al.; Structure-based Calculation of the Equilibrium Folding Pathway of Proteins. Correlation with Hydrogen Exchange Protection Factors; J. Mol. Biol. (1996) 262, 756-772
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				Application Number	10/047,724
				Filing Date	January 15, 2002
				First Named Inventor	Dr. Vince Hilser
				Group Art Unit	N/A
				Examiner Name	Not Yet Assigned
Sheet	3	of	4	Attorney Docket Number	HO-P02070US1

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CY	Lee, Kon Ho, et al.; Estimation of Changes in Side Chain Configurational Entropy in Binding and Folding: General Methods and Application to Helix Formation; PROTEINS: Structure, Functional, and Genetics 20:68-84 (1994)
CZ	Llinas, Manuel, et al.; Articles: The energetics of T4 lysozyme reveal a hierarchy of conformations; nature structural biology, Vol. 6 (11), pages 1072-1078, November 1999
CA1	Murzin, Alexey G., et al.; Communication - SCOP: A structural Classification of Proteins Database for the Investigation of Sequences and Structures; J. Mol. Biol. (1995) 247, 536-540
CB1	Park, Jong, et al.; Sequence Comparisons Using Multiple Sequences Detect Three Times as Many Remote Homologues as Pairwise Methods; J. Mol. Biol. (1998) 284, 1201-1210
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CI1	Xie, Dong, et al.; Structure Based Prediction of Protein Folding Intermediates; J. Mol. Biol. (1994) 242, 62-80
CJ1	Wrabl, James O., et al.; Thermodynamic propensities of amino acids in the native state ensemble: Implications for fold recognition; Protein Science (2001), 10:1032-1045

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